

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2004-090208

(43)Date of publication of application : 25.03.2004

(51)Int. Cl. B81B 1/00

B81C 5/00

(21)Application number : 2002-258885 (71)Applicant : FUJI XEROX
CO LTD

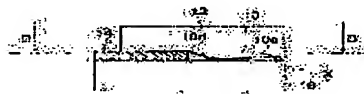
(22)Date of filing : 04.09.2002 (72)Inventor : WATANABE
YOSHIO
WATANABE
HIROYUKI
MANABE
TSUTOMU
SHIMIZU
MASAAKI

(54) ELECTRIC COMPONENT AND METHOD FOR MANUFACTURING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide
an electric component which is
produced by a production step of
excellent industrial productivity
by using a carbon nano-tube, and a
method for manufacturing the same.

SOLUTION: The electric component
comprises: matrix-shaped
non-conductive base materials 12
and 16; a carbon nano-tube group
10 which is enclosed therein and



includes one carbon nano-tube or a plurality of carbon nano-tubes electrically connected to each other while only a substantial end part of at least one carbon nano-tube 10a included in the carbon nano-tube or the plurality of carbon nano-tubes is protruded from one surface of the non-conductive base materials 12 and 16; and an electrode 14 connected to a side surface of at least one carbon nano-tube 10d included in the carbon nano-tube group 10. There is also provided a method for manufacturing the component.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998, 2003 Japan Patent Office